F A C T   S H E E T

Materiel Management

Maintenance Planning and Execution System (MP&E)

Developed under the direction of the Joint Logistics Systems Center, the Maintenance Planning and Execution (MP&E) System provides Repair Program Managers with a standard system for planning the maintenance of reparable items. This application provides a common system for controlling and tracking funds used for maintenance; negotiating maintenance costs and schedules; allocation of maintenance workload among organic and contract repair sources; and providing management of maintenance programs.

FUNCTIONS

The MP&E System is broken into three major areas: Budgeting, Planning, and Execution. The functions of each are:

- Budgeting - Receives budgeting guidance from DoD or other customers, including Foreign Military Sales and inter-service requests. Stratifies budget guidance by Major Group, Organization, or Repair Item Identifier Data (RIID).
- Planning - Receives repair requirements from various sources. Builds and establishes repair actions for assets requiring depot level support. Creates a maintenance schedule for each repair action. Negotiates workload by passing proposed cost, schedule, quantity, and priority information to the source of repair.
- Execution - Funds the workload by setting aside and authorizing expenditure of funds for performance of a repair action. Monitors the performance of scheduled repair actions including; inductions, production activities of contractors and organic repair personnel, and completed repair schedules.

CONTRIBUTING SYSTEMS

MP&E is an application derived from portions of existing DoD legacy systems. Key DoD legacy systems from which the functionality was derived are:

- Maintenance Data Management System (MDMS) - Army
- Depot Level Maintenance Requirements and Program Management System (G072E) - Air Force
- Repair Requirement Computation System (D073) - Air Force
- Cyclic Repair Management System (B008) - Navy
- Cyclic Repair Computation and Scheduling System (PR12) - Navy

TECHNICAL DATA/SYSTEM ARCHITECTURE

The MP&E system allows for application programs to run on one computer while the database resides on another. The communication between MP&E application programs and the MP&E Oracle database will be provided via the SQL*NET Commercial Off the Shelf (COTS) product.

BENEFITS

The Maintenance Planning and Execution System will provide significant benefits to DoD users. MP&E primary benefits are:

- Automation of the negotiation process
- Reduction in administrative lead time required in maintenance planning and execution
- Improved tracking of Materiel Management repair dollars
- Improved accuracy of performance monitoring information
- Automation of the interface between requirements determination and maintenance planning
- Improved customer service through on-line access of information
- Better management information, resulting in tighter control of inventory and reduced number of unnecessary procurements
- Use of a Graphical User Interface (GUI) to design and develop on-line system functions, providing enhanced system operability and long-term reduced training costs
- On-line help capabilities for assisting the user in effectively using the system, reducing training requirements, and enhancing overall user effectiveness

SUMMARY

This system represents a joint development effort involving functional user representatives from DoD as well as system professionals from the development contractor. The MP&E system is based on advanced automation concepts and technologies, designed with user participation to ensure the final product meets the customer needs. This system and software documentation are available upon customer request.